BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2019-20/OW/WORK_INDENT35390

APPROVED SCHEDULE - B

/BTP/BBMP/E-PMT/01/2019-20, Date:25.04.2019

ackage-4, includes 7 works

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
1	4190.1	Removing and resetting footpath slab	Sqm	235.97	988737.90	Rupees Two Hundred Thirty Five and Ninety Seven Paise Only
2	5449.66	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.	Cum	155.71	848566.56	Rupees One Hundred Fifty Five and Seventy One Paise Only
3	2638.39	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification	Sqm	2261.50	5966718.99	Rupees Two Thousand Two Hundred Sixty One and Fifty Paise Only
4	11471.25	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity	Sqm	40.73	467224.01	Rupees Forty and Seventy Three Paise Only
5	615.58	KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications. MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen	Cum	6974.79	4293541.23	Rupees Six Thousand Nine Hundred Seventy Four and Seventy Nine Paise Only
6	61174	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specifications 5,	Sqm	14.37	879070.38	Rupees Fourteen and Thirty Seven Paise Only
7	2544.83	KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100, No. 161	Cum	10021.99	25504260.81	Rupees Ten Thousand Twenty One and Ninety Nine Paise Only

Signature of the contractor

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Executive Engineer

	Approved Qty.	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
8	776.85	ksrrb m300 - 54 Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requiremnet of table 300-2 complete as per specification which includes watering charges and compaction by vibratory roller. morth specification no 305. 19.61 page no 147	Cum	113.79	88397.76	Rupees One Hundred Thirteen and Seventy Nine Paise Only
9	1513	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification.	Sqm	513.86	777470.18	Rupees Five Hundred Thirteen and Eighty Six Paise Only
10	150	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.	Sqm	59.89	8983.50	Rupees Fifty Nine and Eighty Nine Paise Only
11	912	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.	Sqm	74.26	67725.12	Rupees Seventy Four and Twenty Six Paise Only
12	1383.5	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200 m (within average thickness of 15 cms),	Sqm	103.01	142514.34	Rupees One Hundred Three and One Paise Only
13	2918.5	KSRRB M300-59.2: loosening, leveling and compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embankment construction, complete as per specifications, case-II: compacting original ground supporting embankment, (which includes watering charges & compaction by vibratory roller) MORTH specification	Sqm	27.55	80404.68	Rupees Twenty Seven and Fifty Five Paise Only
14	591.73	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	6111.18	3616168.54	Rupees Six Thousand One Hundred Eleven and Eighteen Paise Only
15	326.4	Constructing un-reienforced palne cemetn conctere for pavements using rate concrete M30 Over a prepared base with OPC course aggregate at 0.69cum fine aggregates at 0.64cum course anf fine aggregate confirming to IS:383:2016 with super plasticizers at 3mte of its confirming IS:9103-2008.	Cum	5888.38	1921967.23	Rupees Five Thousand Eight Hundred Eighty Eight and Thirty Eight Paise Only
16	1180.5	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification	M	153.32	180994.26	Rupees One Hundred Fifty Three and Thirty Two Paise Only
17	3264	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift	Sqm	81.45	265852.80	Rupees Eighty One and Forty Five Paise Only
18	9990	KSRRB 300-51: making 50mm x 50mm furrows at 450 to the centre line of the road and at one meters interval in the existing thin bituminous wearing course including sweeping, taking out old materials, stacking the debris within a lead of 100 meters cost of all labour charges complete as per specifications.	Sqm	5.99	59840.10	Rupees Five and Ninety Nine Paise Only

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19	72	RCC Covering slabs for culverts Data rate:5111rs/Piece)	No	5775.43	415830.96	Rupees Five Thousand Seven Hundred Seventy Five and Forty Three Paise Only
20	450	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial10cm thick RCC pre cast slab	Sqm	2373.00	1067850.00	Rupees Two Thousand Three Hundred Seventy Three Only
21	146	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	Cum	6778.87	989715.02	Rupees Six Thousand Seven Hundred Seventy Eight and Eighty Seven Paise Only
22	8.78	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.	Tonne	85003.07	746326.95	Rupees Eighty Five Thousand Three and Seven Paise Only
23	1222.32	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2	Sqm	349.76	427518.64	Rupees Three Hundred Forty Nine and Seventy Six Paise Only
24	1111.11	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete.	Sqm	488.70	542999.46	Rupees Four Hundred Eighty Eight and Seventy Paise Only
25	1812	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete do- 7.5 cms thick (size: 3x0.45)	Sqm	945.81	1713807.72	Rupees Nine Hundred Forty Five and Eighty One Paise Only
26	20.09	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Sqm	5505.09	110597.26	Rupees Five Thousand Five Hundred Five and Nine Paise Only
27	44.64	KSRB 15.1.3: Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	168.37	7516.04	Rupees One Hundred Sixty Eight and Thirty Seven Paise Only

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28	73.1	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	cum	345.37	25246.55	Rupees Three Hundred Forty Five and Thirty Seven Paise Only
29	54.403	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	cum	7335.82	399090.62	Rupees Seven Thousand Three Hundred Thirty Five and Eighty Two Paise Only
30	4.506	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for RCC beams, columns, roof of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	cum	7515.22	33863.58	Rupees Seven Thousand Five Hundred Fifteen and Twenty Two Paise Only
31	10.692	Providing and laying in position Plain Cement Concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. PWD SR 2016-17, It No.4.2, Pg No.-13	cum	6158.14	65842.83	Rupees Six Thousand One Hundred Fifty Eight and Fourteen Paise Only
32	50.31	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening. Cutting, bending, hooking placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining member wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour HOM of machinery complete as per specification for TMT Bars Fe 500	Tonne	68403.42	3441376.06	Rupees Sixty Eight Thousand Four Hundred Three and Forty Two Paise Only
33	40.392	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	281.91	11386.91	Rupees Two Hundred Eighty One and Ninety One Paise Only
34	231.053	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.	Sqm	468.63	108278.37	Rupees Four Hundred Sixty Eight and Sixty Three Paise Only
35	79.24	Providing and removing Centering & Shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular / polygon in plan including cost of all materials, labour complete as per specifications	Sqm	446.67	35394.13	Rupees Four Hundred Forty Six and Sixty Seven Paise Only
36	176.74	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides ands soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	312.42	55217.11	Rupees Three Hundred Twelve and Forty Two Paise Only

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37	5.52	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	329.51	1818.90	Rupees Three Hundred Twenty Nine and Fifty One Paise Only
38	72.315	Providing and constructing Burnt Brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (Table moulded) with cement mortar 1:6 masonry for basement and super structure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	8158.37	589972.53	Rupees Eight Thousand One Hundred Fifty Eight and Thirty Seven Paise Only
39	37.313	Providing and constructing granite/trap/basalt Size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in courses not less than 20cms high, bond stones at two mtr apart in each course including cost of materials, labour curing complete as per specifications.	Cum	4926.75	183831.82	Rupees Four Thousand Nine Hundred Twenty Six and Seventy Five Paise Only
40	12.721	Providing and constructing granite/trap/basalt size stone masonry in super structure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of materials, labour, curing complete as per specifications	Cum	6405.88	81489.20	Rupees Six Thousand Four Hundred Five and Eighty Eight Paise Only
41	5.771	Construction of partition wall 11.2 cms thick with non-modular ground moulded burnt bricks of class designation 35 with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	1017.81	5873.78	Rupees One Thousand Seventeen and Eighty One Paise Only
42	293.385	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	226.99	66595.46	Rupees Two Hundred Twenty Six and Ninety Nine Paise Only
43	407.719	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	Sqm	285.57	116432.31	Rupees Two Hundred Eighty Five and Fifty Seven Paise Only
44	75.456	KSRB 15-3.14 Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	217.23	16391.31	Rupees Two Hundred Seventeen and Twenty Three Paise Only
45	479.495	Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	86.65	41548.24	Rupees Eighty Six and Sixty Five Paise Only
46	293.385	Providing and finishing external walls in two coats with Water Proof Cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications	Sqm	84.21	24705.95	Rupees Eighty Four and Twenty One Paise Only
47	119.734	Providing and fixing Vitrified blessed tiles of approved make, quality and colour of size 600 x 600 x 10 mm thick fixed on bed of 12 thick cement mortar for flooring, Skirting and jointed with neat cement slurry mixed with figment to mach shade of tiles, including providing spacers required intervals and removing stains etc. complete as per specification.	Sqm	1304.61	156206.17	Rupees One Thousand Three Hundred Four and Sixty One Paise Only
48	27.168	Providing skirting, dadoing, rises of steps with white glazed tiles on 6mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazedtiles of approved make and size including cost of materials, labour, complete as per specifications.	Sqm	1437.63	39057.53	Rupees One Thousand Four Hundred Thirty Seven and Sixty Three Paise Only

Signature of the contractor

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				In Figures	Amount	In Words
49	0.228	Providing Mathi/Nandi wood frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.	cum	98598.56	22480.47	Rupees Ninety Eight Thousand Five Hundred Ninety Eight and Fifty Six Paise Only
50	5.88	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30 mm. thick with bottom and lock rails 180 mm wide top rail and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials.	Sqm	5053.68	29715.64	Rupees Five Thousand Fifty Three and Sixty Eight Paise Only
51	10.8	Providing and fixing in position in cement concrete 1:3:6 Steel glazed windows and Ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419kg/m both for outer and inner frames and central mullion section of size 25x46x3 mm, weighing 2.28kg/m all duly providing T section 19x19x3 mm weighing 0.839kg/m for glazing of windows, not more than 34 cms, C to C including providing and fixing 4mm, thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenoneed and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.	Sqm	3630.69	39211.45	Rupees Three Thousand Six Hundred Thirty and Sixty Nine Paise Only
52	13.42	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged.	Sqm	5086.50	68260.83	Rupees Five Thousand Eighty Six and Fifty Paise Only
					57839908.80	

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92

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